

Application Serial No. 09/628,265

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Date December 8, 2003

Reply to Office Action dated September 24, 2003

Listing of the Claims:

1. (Previously presented) A windshield wiper drive apparatus comprising:
 - a rotatable drive gear for driving a windshield wiper;
 - a non-contact position detector for detecting a rotation position of the drive gear corresponding to a windshield wiper park position; and
 - a cam rotatably connected to the drive gear.
2. (Previously presented) The windshield wiper apparatus of claim 1 wherein the position detector comprises:
 - a magnetically responsive sensor; and
 - a magnet movably disposed in an intersecting path of movement with respect to the sensor, the magnet movable with the drive gear, the sensor detecting each passage of the magnet therepast.
3. (Previously presented) The windshield wiper apparatus of claim 2 wherein the magnet is mounted on the drive gear.
4. (Previously presented) A windshield wiper drive apparatus comprising:
 - a housing;
 - a rotatable drive gear coupled to a windshield wiper for driving the windshield wiper, the drive gear rotatably mounted in the housing; and
 - a non-contact position detector cooperatively arranged between the drive gear and the housing to detect a rotation position of the drive gear corresponding to a windshield wiper park position;
 - a cam rotatably mounted in the housing, a magnet carried on the cam;
 - and

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interengaging members carried on the drive gear and the cam for rotating the cam along with rotation of the drive gear in the normal direction of rotation of the drive gear.

5. (Previously presented) The windshield wiper apparatus of claim 4 wherein the interengaging members comprise:

a projection carried on the drive gear; and
a projection carried on the cam, the projections on the drive gear and the cam lying in intersecting paths of movement.

6. (Previously presented) The windshield wiper drive apparatus of claim 4 wherein:

the interengaging members provide only unidirectional rotation of the cam.

7. (Previously presented) The windshield wiper drive apparatus of claim 4 wherein:

the interengaging members on the drive gear engages the interengaging member on the cam only in a normal direction of rotation of the drive gear.